

## CLAIMS

1. A speech recognition system in a mobile telephone comprising a vocabulary, characterized in that the words in the vocabulary are arranged in a trellis structure comprising a number of groups of words, so that a limited number of groups of the entire vocabulary is searched for a word at each time.

2. A system according to claim 1, characterized in that the vocabulary is arranged in a tree structure.

3. A system according to any of claims 1 ~~or 2~~, characterized by - means for outputting the words that the system is set to recognize at a particular moment.

4. A system according to claim 3, characterized in that said means is a voice prompter.

5. A system according to any of claims 1 ~~to 4~~, characterized by - means for automatically generating a new group if the number of words in one group exceeds a certain, pre-set threshold value.

6. A method of speech recognition in a speech recognition system of a mobile telephone comprising a vocabulary, wherein the words in the vocabulary are arranged in a trellis structure comprising a number of groups of words, characterized in that only one group or a limited number of groups of the entire vocabulary is searched for a word at each time.

7. A method according to claim 6, characterized in that the vocabulary is arranged in a tree structure.

8. A method according to any of claims 7 ~~or 8~~, characterized in that the available words that the system is set to recognize at a particular moment is output from the system.

9. A method according to claim 8, characterized in that the available words are generated by a voice prompter.

